Columbia County Water Quality Data for 2002

Regulated Inorganic Substances Detected in Treated Water Entering Distribution System

Substance (Units)	Maximum Level Allowed (MCL)	Maximum Level Goal (MCLG)	Maximum Detected in CCWSS	Range Detected in CCWSS	Sample Date	Did CCWSS Meet Requirements	Major Sources in Drinking Water
Fluoride (ppm)	4	4	1.21	.78-1.21	2002	Yes	Water additive which promotes strong teeth
Nitrate (ppm)	10	10	<0.2	<0.2	2002	Yes	Runoff from fertilizer use; septic tank leachate
Turbidity (ntu)	TT=2	n/a	0.13	0.01-0.13	2002	Yes	Soil runoff and erosion of riverbanks and shoreline.
Turbidity (percent)	TT=percentage of samples<0.5ntu	n/a	100	n/a	2002	Yes	Soil runoff and erosion of riverbanks and shoreline.

Regulated Inorganic Substances Detected in Treated Water at Tap

Substance (Units)	Action Level Allowed (AL)	Maximum Level Goal (MCLG)	90th Percentile in CCWSS	Number of sites above AL	Sample Date	Did CCWSS Meet Requirements	Major Sources in Drinking Water
Copper (ppm)	1.3	1.3	0.12	0	2002	Yes	Corrosion of household plumbing systems and/or
Lead (ppb)	15	0	3.4	0	2002	Yes	Erosion of natural deposits

Regulated Organic Substances Detected in Treated Water at Tap

Substance (Units)	Maximum Average Allowed (MCL)	Maximum Level Goal (MCLG)	Max Quarterly Average Detected in CCWSS	Annual Range Detected in CCWSS	Sample Date	Did CCWSS Meet Requirements	Major Sources in Drinking Water
Total Trihalomethanes (ppb)	80	n/a	69.96	20.9 - 99.8	2002	Yes	By-product of drinking water disinfection by chlorination
Total Haloacetic Acids (ppb)	60	n/a	42.16	14.5 - 57.3	2002	Yes	By-product of drinking water disinfection by chlorination

Unregulated Substances Detected in Treated Water at Tap

Substance (Units)	Maximum Level Allowed (MCL)	Maximum Level Goal (MCLG)	Maximum Detected in CCWSS	Range Detected in CCWSS	Sample Date	Did CCWSS Meet proposed Requirements	Major Sources in Drinking Water
Aluminum (ppm)	Not Regulated	n/a	0.073	nd-0.073	2002	Yes	Discharge from industries
Dichlorobromomethane (ppb)	Not Regulated	n/a	16	6.9-16	2002	Yes	By-product of drinking water disinfection by chlorination
Dibromochloromethane (ppb)	Not Regulated	n/a	3.9	nd-3.9	2002	Yes	By-product of drinking water disinfection by chlorination
Chloroform (ppb)	Not Regulated	n/a	80	14-80	2002	Yes	By-product of drinking water disinfection by chlorination
Conductivity (ppm)	Not Regulated	n/a	100	nd-100	2002	Yes	By-product of drinking water disinfection by chlorination

For Your Information

Substance	Range Detected in CCWSS
Chlorine	0.2 - 1.5 ppm
Alkalinity	15 - 20 ppm
Hardness	1 - 20 ppm (Very Soft)
pH	7.0 - 7.8 S.U.

Definitions:

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) : The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) : The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Not Detected (nd): The amount of a material in a sample was not detected during analytical testing.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Parts per Billion (ppb): One part per billion is equivalent to one penny in 10 million dollars.

Parts per Million (ppm): One part per million is equivalent to one penny in ten thousand dollars.